

**METHOD FOR CALCULATING EFFECTIVE CAPACITANCE  
FOR TIMING ANALYSIS**

Wolfgang Roethig

**ABSTRACT OF THE DISCLOSURE**

[0068] A method involves: accessing data representing an interconnect model, where the interconnect model includes a driving point node and is not a lumped capacitance model; calculating a value of an effective capacitance of the interconnect model to be inversely proportional to a voltage at the driving point node of the interconnect model; and storing the value of the effective capacitance. Such a method can be used to calculate effective capacitance of the interconnect model using analytical techniques.